



**WATERPROOF MUSIC PLAYER
WITH FM RADIO AND PEDOMETER (MP121)**

USER MANUAL

CONTENTS

Contents	2
Introduction	4
Main Features	4
Accessories	4
Product Overview.....	4
Front View	4
Back View	5
LCD Display	5
Getting Started	5
System Requirements.....	5
Driver Software Installation For Win98SE.....	6
Windows 98SE.....	6
Windows ME, 2000, XP	6
Macintosh	6
Connecting to the Computer.....	6
Recharging the Battery Through PC or USB Adaptor	6
File Transfer.....	7
Disconnecting from the Computer	7
Windows 98SE.....	7
Windows ME, 2000, XP	7
Macintosh	7
Belt Clip	7
Using the Earphones	8
In Water	8
When Exercising	8
Regular Use	9
Power On / Off	9
Menu Navigation	9
Music Mode.....	10
Play / Stop	10
Skip / Fast Forward / Rewind	10
Volume.....	10
Rotate Display	10
FM Mode (FM 87.5 MHz ~ 108 MHz)	11
Scan Mode (Scan and Preset Channels).....	11
Channel mode (Selecting Preset Channels and Auto Preset)	11
Info (Information)	12

Settings	12
Play Mode	12
EQ (Equalizer)	12
Display	13
Time	14
Language	15
Default	15
Deleting Files	15
Deleting One	15
Deleting All.....	16
Button Hold	16
Sport Function	16
Pedometer	16
Start / View	17
Set Stride	17
Set Target	17
BMI	18
Stopwatch	19
Timer.....	19
Count Down	20
Metronome / Pacer	20
Reset	21
Upgrading Firmware	21
Formatting your Player	21
Copyright	22
Safety and Care	22
General	22
Water	22
Troubleshooting	23
Hardware	23
Software.....	23
Caution	23
Specifications	23
About Oregon Scientific	24
FCC Statement	24
Declaration of Conformity	25
EC-Declaration of Conformity	25

INTRODUCTION

MAIN FEATURES

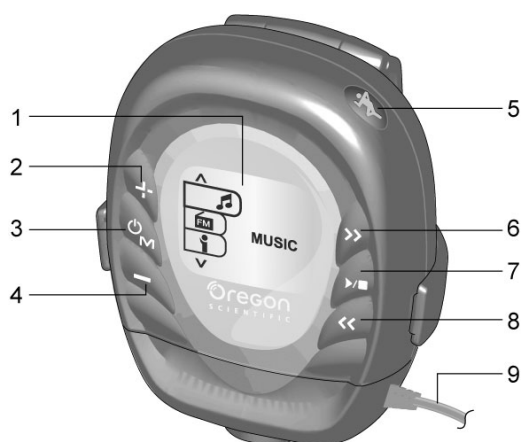
- Waterproof / shock resistant casing
- IPX7 standard (waterproof to a depth of 1 meter for 30 minutes, equivalent to JIS7 standard)
- ISO1413 shock resistant standard
- Built-in 512 MB or 1 GB flash memory (refer to indication on the packing)
- MP3, WMA and WMA DRM audio playback
- FM radio with 30 preset channels
- Multi-lingual menu and ID3 tag / filename support
- Healthcare function with pedometer, calorie counter, distance calculator and BMI calculator
- Chronograph (up to 9 split times)
- Alarm and clock
- Workout pacer
- USB 2.0 file transfer (High speed)
- USB flash drive
- Up to 10 hours continuous playback on single battery charge
- Upgradeable firmware

ACCESSORIES

- Waterproof earphones
- Stereo earphones
- Arm belt
- Rubber ring case
- Belt clip
- AC USB adapter
- USB cable
- Quick start guide
- Installation CD-ROM

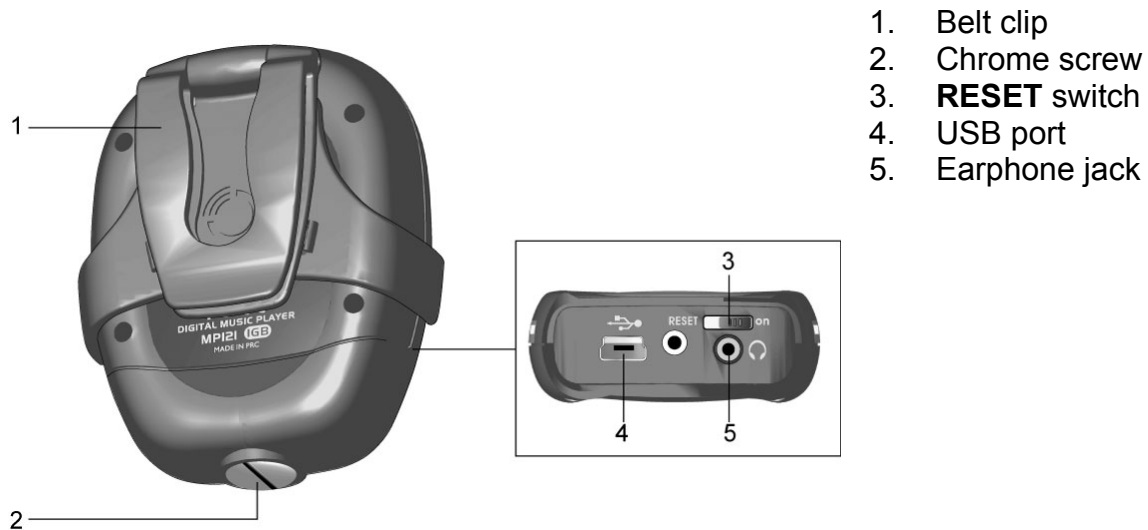
PRODUCT OVERVIEW

FRONT VIEW



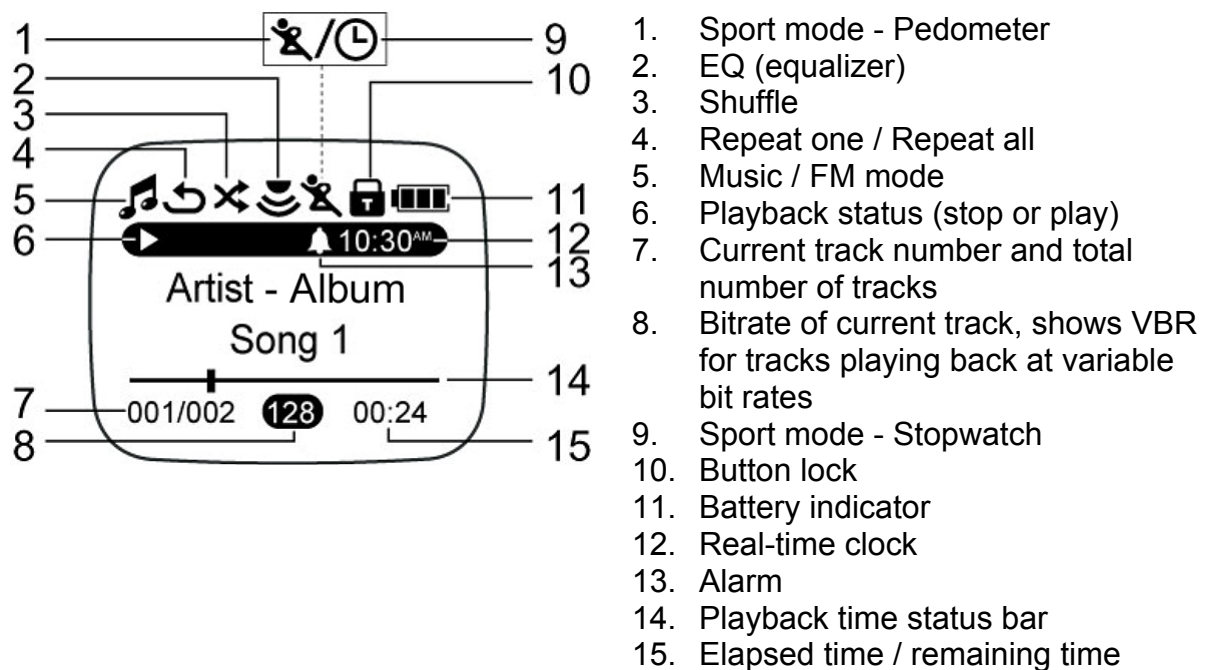
1. LCD
2. + (Volume up; Increase setting values)
3. ⏻ (Power On / Off); M (Menu)
4. - (Volume down; Decrease setting values)
5. 🏃 (SPORT mode)
6. ⏭ (Fast forward / Skip / select menu options or settings)
7. ▶/■ (Play / Stop) / Rotate the display
8. ⏮ (Rewind / Previous / select menu options or settings)
9. Waterproof earphones

BACK VIEW



TIP Slide the **RESET** switch to the “RESET” position when the player has not been in use for more than a month to protect the unit’s battery from over-discharging.

LCD DISPLAY



GETTING STARTED

SYSTEM REQUIREMENTS

- Intel® Pentium® 133MHz or faster
- CD-ROM drive
- USB 1.1 or USB 2.0 support
- 10MB free hard disk space
- Microsoft® Windows® 98SE / ME / 2000 (up to Service Pack 4.0) / XP Service Pack 1 or 2
- Mac OS 9.2, 10.1, 10.2, 10.3

DRIVER SOFTWARE INSTALLATION FOR WIN98SE

WINDOWS 98SE

1. Installing the MP121 driver software will allow your computer to recognize your player each time it is connected to the computer.
2. Insert the MP121 CD-ROM into your computer and follow the onscreen instructions.
3. Restart your computer.

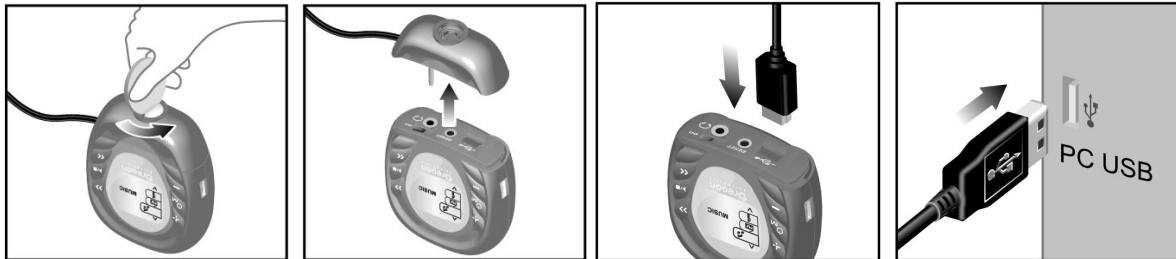
WINDOWS ME, 2000, XP

When you connect your player to your computer, it will appear as a removable drive (i.e., Removable Disk (E:)).

MACINTOSH

When you connect your player to your Macintosh, it will appear as a drive icon on the desktop (i.e., Untitled).

CONNECTING TO THE COMPUTER



RECHARGING THE BATTERY THROUGH PC OR USB ADAPTOR

Make sure the **RESET** switch is in the "On" position before powering on or charging the player.

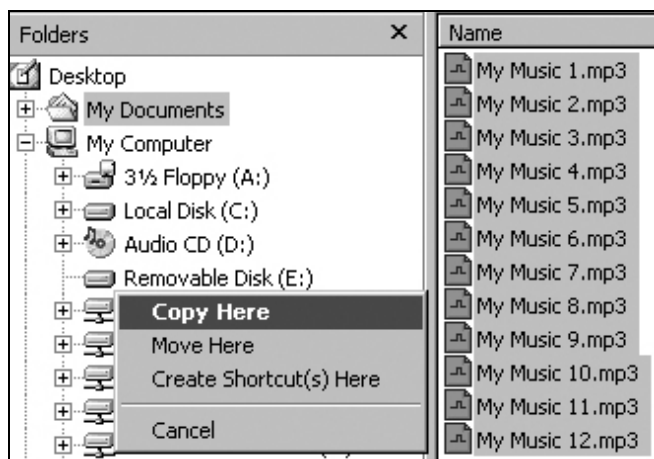
Once the unit is connected to the computer, its internal rechargeable battery automatically begins charging. Fully charge the rechargeable battery before first use. A fully charged battery provides approx. 10 hours of continuous audio playback.

NOTE Recharge the battery when  appears on the unit's LCD. Disconnect the player when charging is complete. Never over-charge the battery as this may damage the unit.

NOTE Charging time may vary depending on the computer's USB usage status. If the player overheats or cools during charging,  appears on the LCD and the unit stops charging. The player will automatically restart charging after re-adjusting its internal temperature.

TIP You can charge your player with the supplied USB adapter. AC cable and plugs differ from region to region. Charging time is approx. 2.5 to 3 hours.

FILE TRANSFER



Copy and paste the file(s) from your computer onto your player (i.e., Removable Disk (E:)).

CAUTION To prevent data loss, wait at least 15 seconds to make sure file transfer is complete before unplugging your player from the computer.

DISCONNECTING FROM THE COMPUTER

WINDOWS 98SE

1. Double click the **My Computer** icon.
2. Right click the removable drive letter your player has been assigned.
3. Click "Eject" from list before disconnecting.

WINDOWS ME, 2000, XP

1. Click the "Stop USB Mass Storage Device"  icon on the Windows taskbar.
2. Click your player drive letter to stop the device before disconnecting.

MACINTOSH

Drag and drop the "Untitled" icon from desktop to the "Trash" icon for eject the player before disconnecting.

BELT CLIP

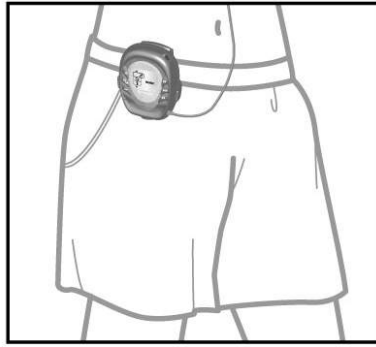
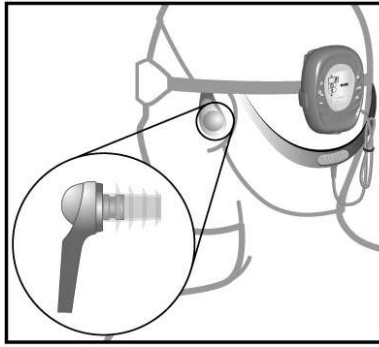


NOTE The above illustration shows how to attach the belt clip to the unit if you want to use the device in water.

For regular use, detach the bottom casing of the unit as shown in the "CONNECTING TO THE COMPUTER" section, then attach to belt clip. For better sound quality, use the supplied stereo earphones.

USING THE EARPHONES

IN WATER

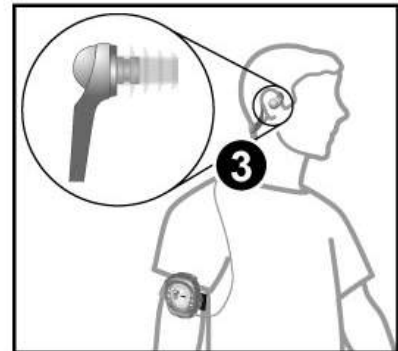
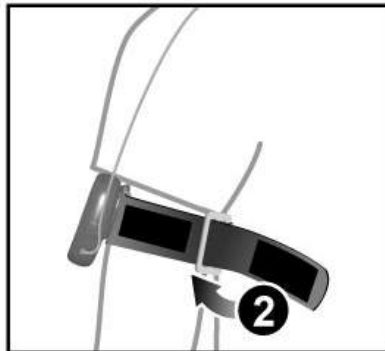


Wear the umbrella-shaped waterproof earphones and attach the unit securely onto the strap of your swimming goggles or to your swimming attire.

NOTE Never immerse the unit in water if the bottom protective screw casing is removed. This can cause electrical shock and damage the unit.

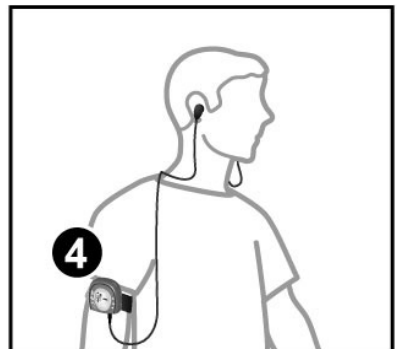
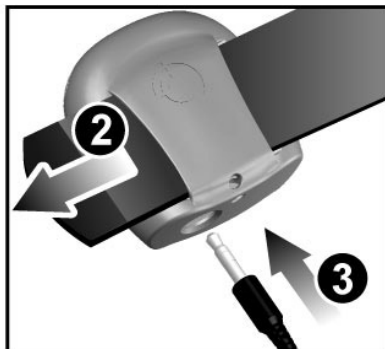
WHEN EXERCISING

ATTACH TO ARM USING BELT CLIP



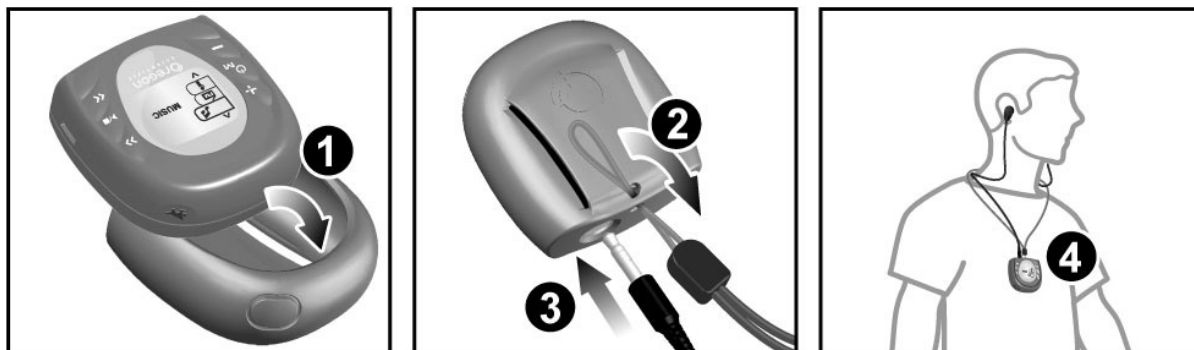
1. With the bottom casing attached, insert the arm belt through the unit's belt clip.
2. Strap the arm belt to your arm and fasten securely.
3. Wear the waterproof earphones and use.

ATTACH TO ARM USING RUBBER RING CASE



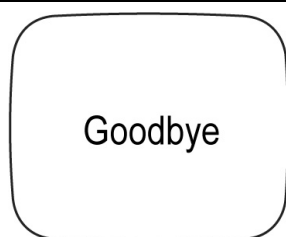
1. Detach the bottom casing and belt clip from the unit and fit the rubber ring case around the unit.
2. Insert the arm belt through the unit's rubber ring case.
3. Plug in the supplied stereo earphones as shown in the diagram.
4. Strap the arm belt to your arm and fasten securely.

REGULAR USE



1. Detach the bottom casing and belt clip from the unit and fit the rubber ring case around the unit.
2. Loop the neckstrap through the rubber ring case's neckstrap hole and secure.
3. Plug in the supplied stereo earphones as shown in the diagram.
4. Place unit with neckstrap and attached earphones around your neck and begin operating.

POWER ON / OFF

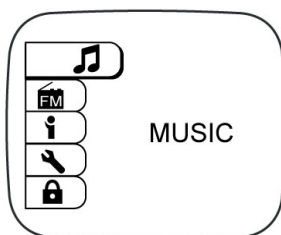


To turn on or off the unit, press and hold for 2 seconds.

NOTE Unit powers off automatically if left on idle or sleep time is reached. Power off time and sleep time can be set from **Main Menu > Settings > Time**.

NOTE Remember to slide the **RESET** switch to the "RESET" position if the player has not been in use for more than a month.

MENU NAVIGATION



To navigate the main menu and select a menu option:

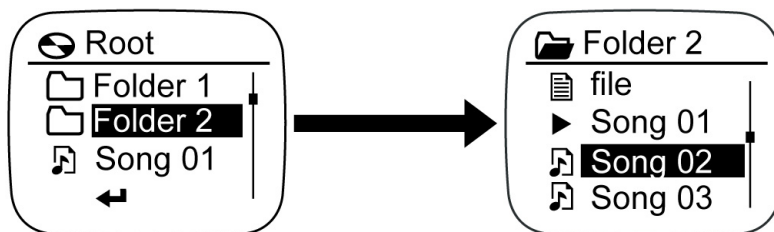
1. Press once to enter main menu.
2. Press or to select menu options or settings.
3. Press or to confirm and enter desired main menu option.
4. Repeat steps 2-3 to scroll through and confirm sub-menu settings, if available.

ICON	MENU OPTION
	Music mode
	FM mode
	Info
	Settings
	Hold

To exit menu / sub-menu screen:

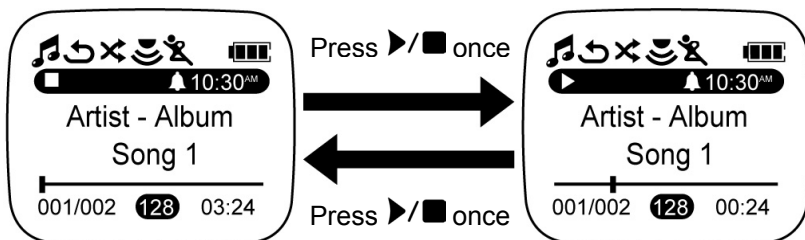
1. Press once to go back to previous screen.
2. Press and hold to go back to the currently selected mode.

MUSIC MODE



▶ appears beside the currently track being played. Press ◀◀ or ▶▶ to select track and press ▶/■ to confirm playback.

PLAY / STOP



SKIP / FAST FORWARD / REWIND

When playback of current track is stopped:

BUTTON PRESS	ACTION
◀◀ once	Go back to previous track
▶▶ once	Go to next track

During playback or pause of current track:

BUTTON PRESS	ACTION
▶▶ once	Next track is played
◀◀ before 5 seconds / ◀◀ after first 5 seconds	Playback previous track / Current track is re-played
▶▶ for 2 seconds	Fast-forward current track
◀◀ for 2 seconds	Rewind current track

VOLUME



1. Press + to increase volume or press - to decrease volume.
2. Press and hold to adjust volume levels more quickly.

NOTE Prolonged listening at full volume may damage your hearing.

ROTATE DISPLAY

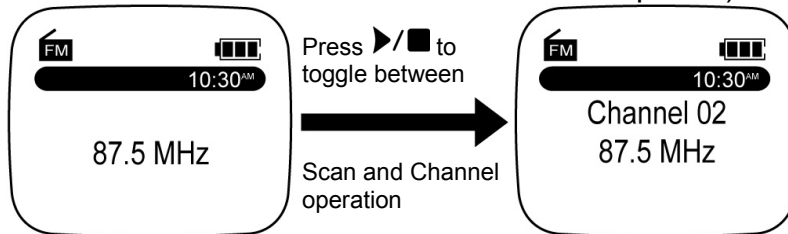
When using the belt clip or arm belt, the player will be positioned where contents shown on the display will be upside down. To rotate the display 180° so that you can view the display properly, press and hold ▶/■. Press and hold ▶/■ again to rotate the display and revert to normal viewing.

FM MODE (FM 87.5 MHz ~ 108 MHz)

There are 2 operations in FM mode: Scan and Channel.

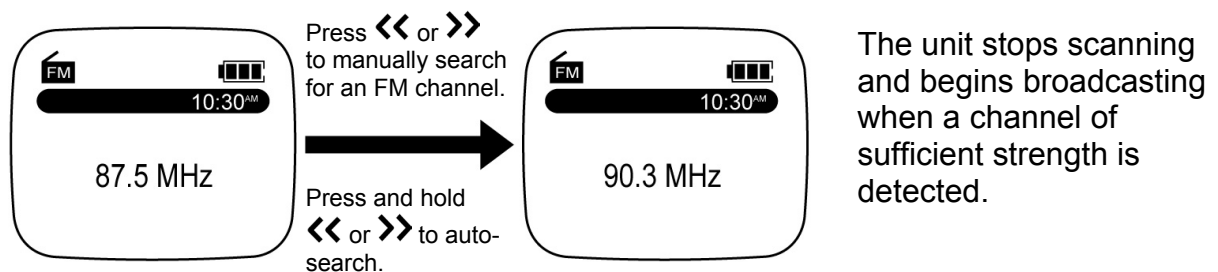
Scan (scans channels manually or automatically)

Channel (displays all saved channels and provides option to auto-preset)

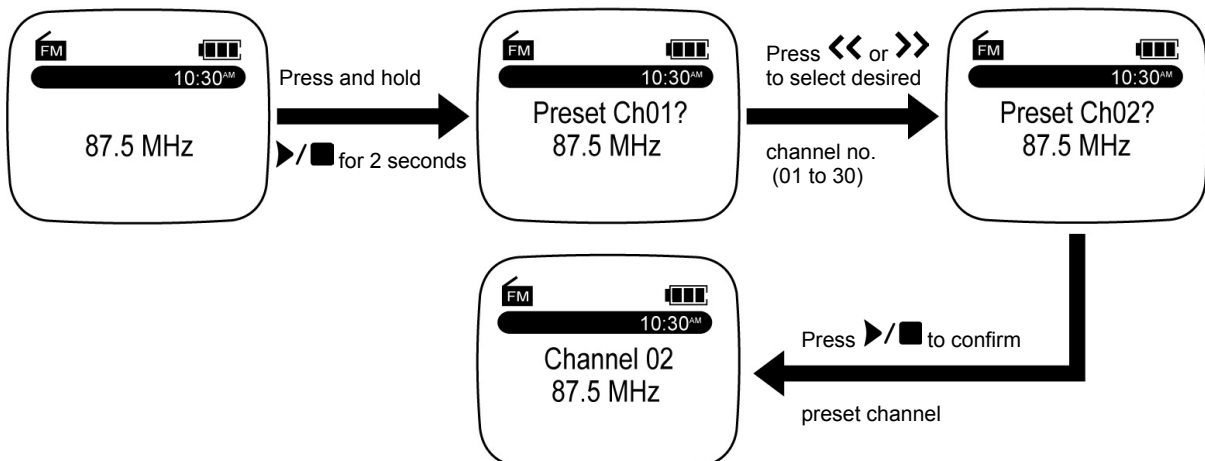


SCAN MODE (SCAN AND PRESET CHANNELS)

SCANNING CHANNELS



PRESET CHANNELS

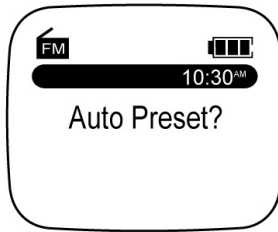


NOTE If you are presetting a channel for the first time, "Preset Ch01?" appears. Otherwise, the unit starts from the channel that has not yet been preset.

CHANNEL MODE (SELECTING PRESET CHANNELS AND AUTO PRESET)

Press << or >> once to move to the next or previous preset channels.

AUTO PRESET

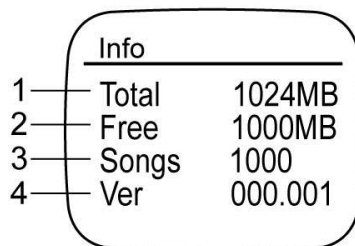


1. Press << or >> to toggle to “Auto Preset?” option.
2. Press ▶/■ to confirm Auto Preset. Unit scans entire FM frequency range and presets available channels. All previously saved channels are cleared.

NOTE FM reception varies from region to region.

INFO (INFORMATION)

Menu Shortcut: Main Menu > Info



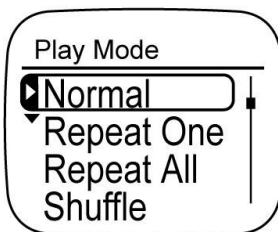
1. Total amount of memory (total memory is less than indicated as some memory is reserved for internal system files)
2. Amount of free memory remaining
3. Total number of tracks
4. Firmware version

SETTINGS

To adjust the Settings options, use << or >> to select a value and press ▶/■ or ⏻ to select / confirm setting and go to the next setting, or exit.

PLAY MODE

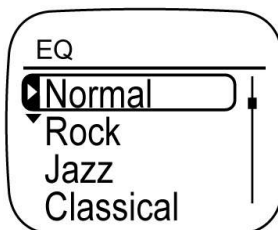
Menu Shortcut: Main Menu > Settings > Play Mode



PLAY MODE PATTERN	DESCRIPTION
Normal	Playback all tracks in sequential order
Repeat One	Repeats current track
Repeat All	Play all tracks once repeatedly
Shuffle	All tracks randomly played back once
Shuffle Repeat	All tracks randomly played back once repeatedly

EQ (EQUALIZER)

Menu Shortcut: Main Menu > Settings > EQ

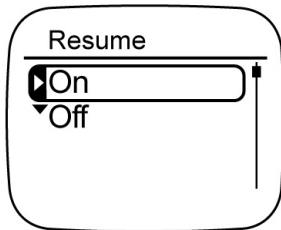


Equalizer settings allow you to adjust sound acoustics based on the different kinds of music being played back. You may choose from Normal, Rock, Jazz, Classical or Pop.

DISPLAY

Menu Shortcut: Main Menu > Settings > Display

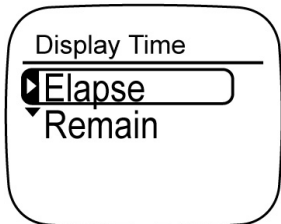
RESUME



If "On" is selected, current playback time is stored in memory and playback starts from last stored playback time.

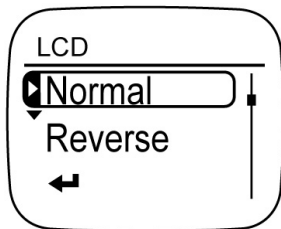
If "Off" is selected, playback starts from beginning of track.

DISPLAY TIME



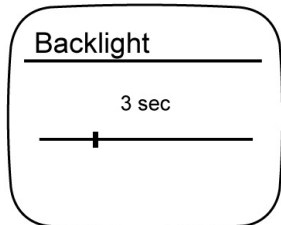
Display Time shows track elapsed time or remaining time during playback.

LCD



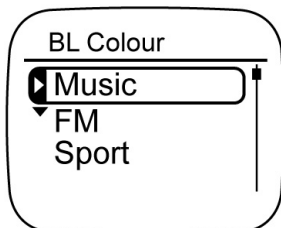
Provides option to select normal or reverse display contrast.

BACKLIGHT



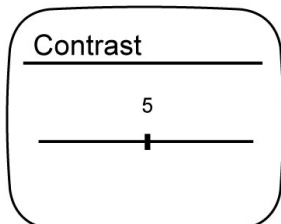
With the backlight feature activated, the display will light up for a certain duration each time a button is pressed.

BL COLOR



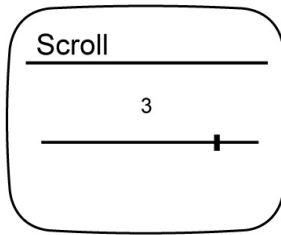
You can choose from 3 backlight color options: Music, FM, Sport. Within each of these 3 options are 3 colors to select from: orange, blue, purple.

CONTRAST



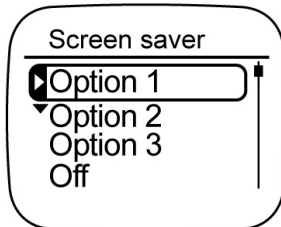
Adjusting the contrast settings allows you to read the display more clearly in different lighting conditions.

SCROLL



If track information is too long to fit into the display, this feature allows information to scroll from left to right, set by the scroll speed selected.

SCN SAVER

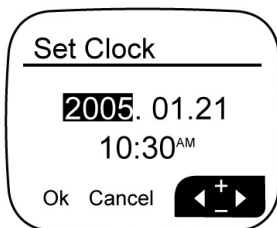


When no buttons are pressed after 1 minute, the screensaver appears. There are 3 screensavers to choose from.

TIME

Menu Shortcut: Main Menu > Settings > Time

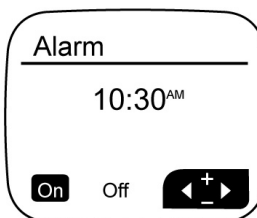
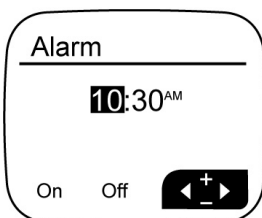
SET CLOCK



Clock settings are adjusted in the following order: year, month, date, hour, minute, AM/PM.

1. To adjust clock values, press **-** or **+** to decrease or increase value.
2. Press **<<** or **>>** to move to previous or next value and repeat steps 1-2 to until all settings are adjusted.
3. Select "Ok" and press **>/■** to confirm clock setting, OR select "Cancel" to cancel and go back to previous screen.

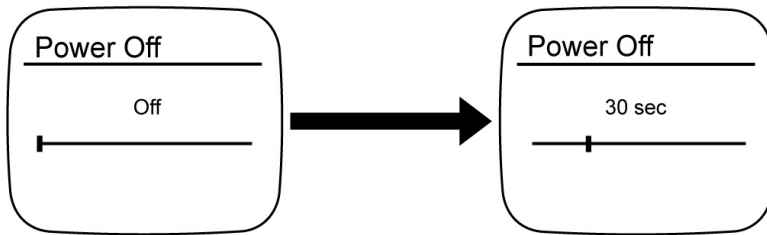
ALARM



Alarm settings are adjusted in the following order: hour, minute, and AM/PM. Procedure for setting the alarm is the same for setting the clock. After the alarm is set, select "On" to activate. When the alarm time is reached,  appears full-screen and a beep sound is generated. Press **>/■** to deactivate alarm and return to current operation.

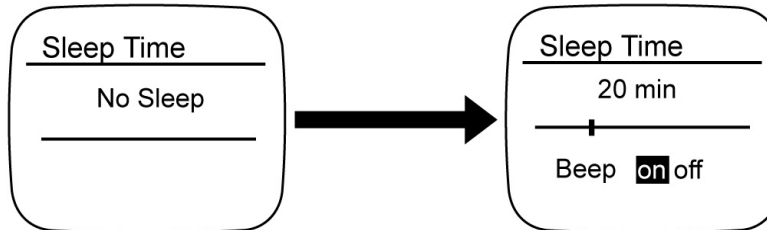
NOTE The alarm, if activated, goes off at the set time only when the player is powered on.

POWER OFF



The player can be set to power off automatically when in idle save battery power.

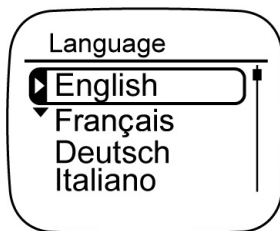
SLEEP TIME



Sleep Time can be set so that the unit turns off automatically after a specified time. When beep is set to "On", the player will beep the user before turning off automatically.

LANGUAGE

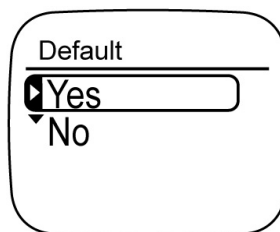
Menu Shortcut: Main Menu > Settings > Language



Select among 8 menu languages: English, S. Chinese, T. Chinese, French, German, Italian, Spanish, Portuguese.

DEFAULT

Menu Shortcut: Main Menu > Settings > Default

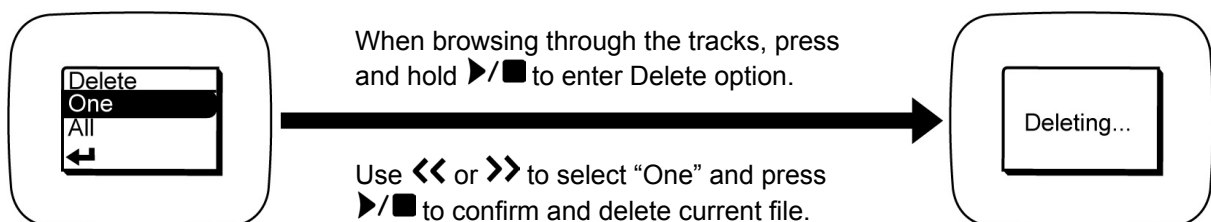


The unit reverts to its default settings when it is reset, reformatted, or default setting is selected.

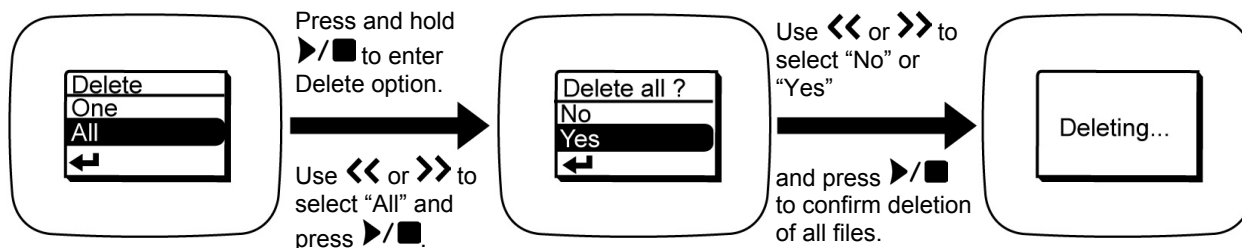
DELETING FILES

NOTE Once files are deleted they cannot be retrieved.

DELETING ONE

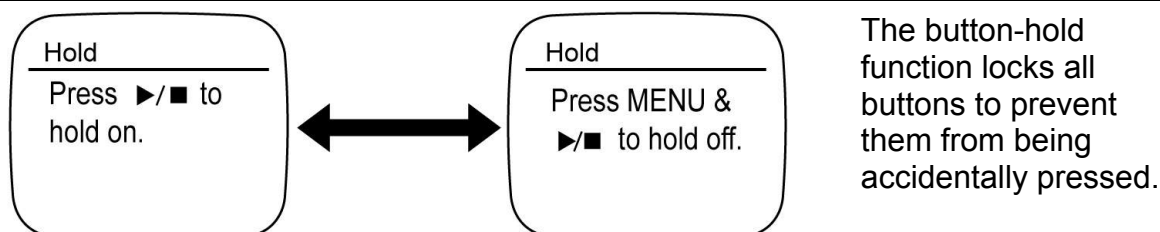


DELETING ALL



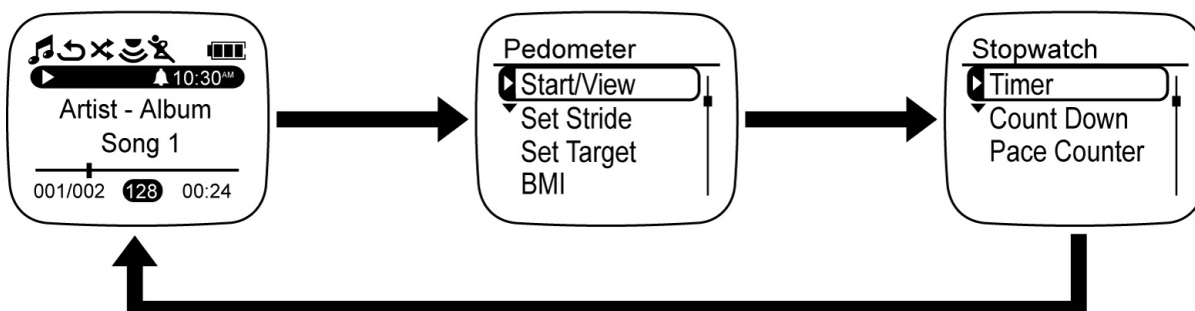
NOTE Delete One and Delete All functions work only if playback of current track is stopped. If unit is playing a music file, the Delete option cannot be accessed.

BUTTON HOLD



SPORT FUNCTION

1. In Music / FM mode, press and hold  once to enter Pedometer menu, and press and hold again to enter Stopwatch menu. Press and hold a third time to return to Music /FM mode.
2. Use ◀◀ or ▶▶ to select the respective Pedometer or Stopwatch menu options.
3. In the Pedometer and Stopwatch menus, use ◀◀ or ▶▶ to select the respective sub-menu options and press ►/■ to confirm.
4. In each sub-menu option, use ◀◀ or ▶▶ to select and – or + to adjust values and then choose "ok" to confirm or "cancel" to exit without saving.
5. Press and hold ►/■ to rotate the display 180°.



PEDOMETER

The MP121's Pedometer function measures the approximate distance traveled on foot by registering the number of steps taken. This allows you to effectively gauge your walking regimen as part of your exercise routine. You may set specific values for stride length, steps, distance traveled and calories.

START / VIEW



1. Press to start. The display time begins counting.
2. Press to pause and press again to continue.
3. Press and hold to turn off the pedometer. All values return to 0.

When the pedometer is on, press and hold **SPORT** to toggle between Sport mode and current Music / FM status.

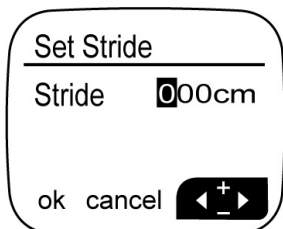


Press to display speed. After 5 seconds, it goes back to Stopwatch time display

If music is playing back / FM radio is on when pedometer is in operation, the functions of pressing **-**, **+**, **<<** or **>>** is the same as in Music / FM mode but the unit's display will continue to show the pedometer operating. Press **M** to enter menu options at anytime.

NOTE While you may press and hold to toggle between Music / FM and the respective Pedometer and Stopwatch menus, the Pedometer functions do not work if any of the Stopwatch functions are currently operating.

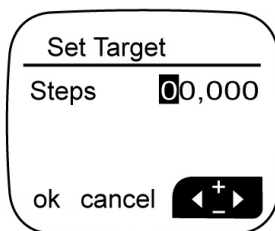
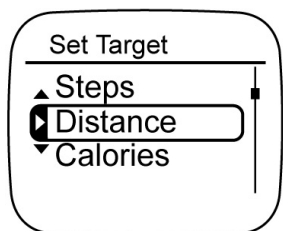
SET STRIDE



Correctly measuring distance depends on accurately setting the average length (30cm to 150cm) of an individual stride (stride length).

SET TARGET

You can set the target steps / distance traveled / calories burned when you are exercising.



Choose between different Set Target sub-menus: Steps, Distance and Calories. Once each of these values is set, you can begin the Pedometer operation.

BMI

BMI

Height

100cm

Weight

000Kg

ok

cancel

←

+

→



BMI

Your BMI is 45

BMI (body mass index) is a widely used international standard that measures height to weight ratio to determine obesity. BMI is expressed as:

$$\text{BMI} = \frac{\text{Body weight (kg)}}{[\text{Body height (m)}]^2}$$

NOTE The BMI index is only a general indicator of overall health. The range may vary depending on your body type and composition. Consult with your doctor to gain a full understanding of your health condition.

HOW TO INTERPRET BMI

The result is a value (such as 22) that corresponds to the four BMI ranges: underweight, recommended, overweight, and obese. The ranges are based on a comprehensive clinical study of the averages for thousands of people for whom BMI was calculated. BMI can be used to estimate potential health risks. Based on this research, it has been shown that the health risk for people with a BMI of 22 is lowest.

HEALTH INDICATION	BMI RANGE	DESCRIPTION
Underweight 	Less than 20.0*	Your body weight is lower than average.
	Asian BMI: Less than 18.5	Work to maintain a healthy, regular diet and exercise plan to build up your health.
Recommended 	20.0 to 25.0*	You are at the recommended level.
	Asian BMI: 18.5 to 23.0	Maintain a balanced diet and exercise routine to stay at the present level.
Overweight 	25.1 to 29.9*	Your body weight may be above normal.
	Asian BMI: 23.0 to 29.9	Exercise more and maintain a healthy diet to lower your risk for serious illness.
Obese 	30.0 or greater*	You may be at risk for heart disease, high blood pressure, and other illnesses. Consult your doctor to create a proper health and fitness plan.

* Asians have a separate BMI range due to their different body composition.

NOTE Consult your physician before you begin a new diet or exercise program.

NOTE BMI should not be used as a health risk indicator for the following groups:

GROUP	REASON
Children and teenagers	BMI ranges are based on adult heights.
Athletes and body builders	BMI does not differentiate between fat and muscle and can therefore be inaccurate for people with high muscle density.
Pregnant or nursing women	This group may experience elevated fat-levels as part of the pregnancy.
People over age 65	This group may experience elevated fat levels as part of the aging process.

REFERENCES

Jequier, E. (1987), Energy, obesity, and body weight standards.

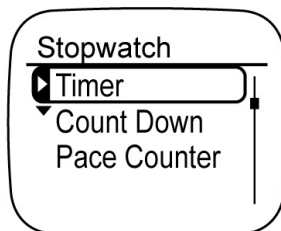
American Journal of Clinical Nutrition, 45, 1035-1047.

The Japan Society for the Study of Obesity

The Weight Loss Research Center

MyDr.com (www.mydr.com.au)

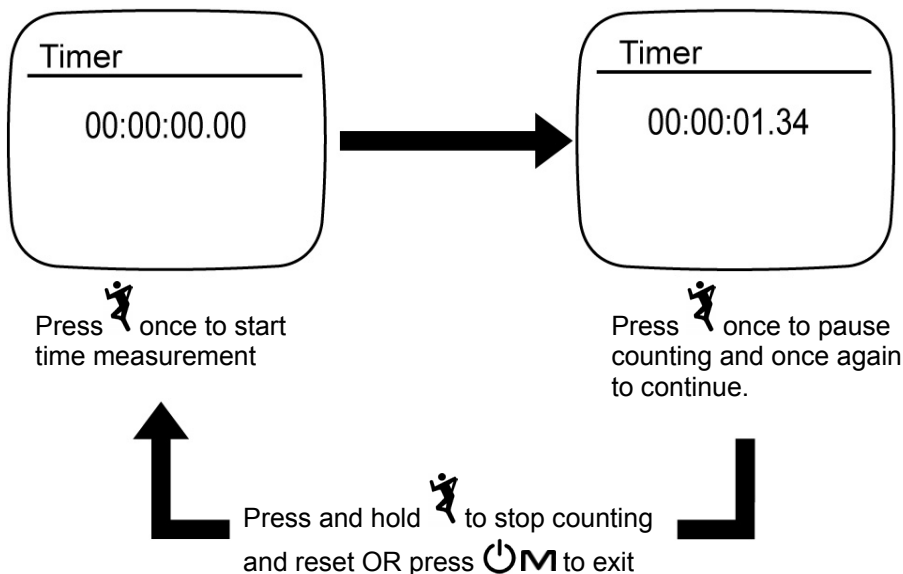
STOPWATCH



To enter Stopwatch mode from Pedometer mode, press and hold .

NOTE While you may press and hold  to toggle between Music / FM and the respective Pedometer and Stopwatch menus, the Stopwatch functions do not work if any of the Pedometer functions are currently operating.

TIMER



To use the Stopwatch timer as a lap counter:



Press once to start time measurement

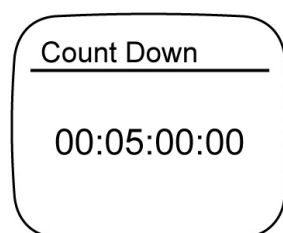
1. Press once to store a lap time. First lap time is displayed and time count continues
2. Press to store other lap times

TIP Up to 9 lap times can be stored

1. Press once to end counting. All lap times and end time are shown
2. Press or to scroll and view the different times
3. Press to exit lap time display

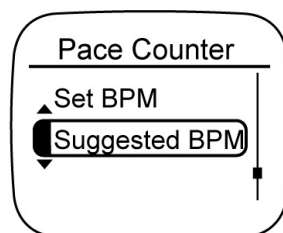
If music is playing back / FM radio is on when timer is in operation, the functions of pressing , , or is the same as in Music / FM mode but the unit's display will continue to show the timer operating. Press to enter menu options at anytime.

COUNT DOWN



1. Set the time in which unit can count down from.
2. Press to start count down and press again at anytime to stop.

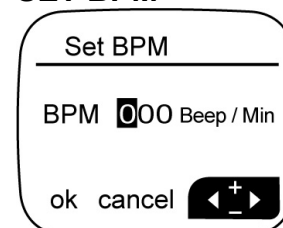
METRONOME / PACER



The Pacer provides a beat per minute (BPM) beep rhythm to help guide you during exercise. Stride length, walking distance and time can be set to obtain a suggested BPM.

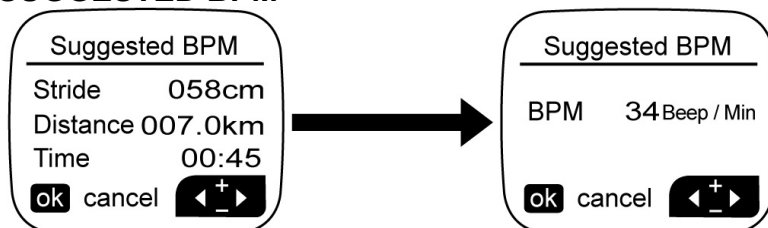
To set the Pacer, press . The unit starts beeping according to previous settings. Press at anytime to end.

SET BPM



1. Select the BPM values using or and or .
2. When finished, select "ok" and the pace counter starts beeping, OR select "cancel" to go back to the Pace Counter menu.

SUGGESTED BPM



Select the respective values of stride length, distance, and time using << or >> and – or +.

When finished, select "ok" and the pace counter starts beeping, OR select "cancel" to go back to the Pace Counter menu. Music or FM radio playback stops when the pacer is activated.

RESET



You may occasionally need to reset the unit, for example, if the player stops responding. All values will be reset to original factory default settings.

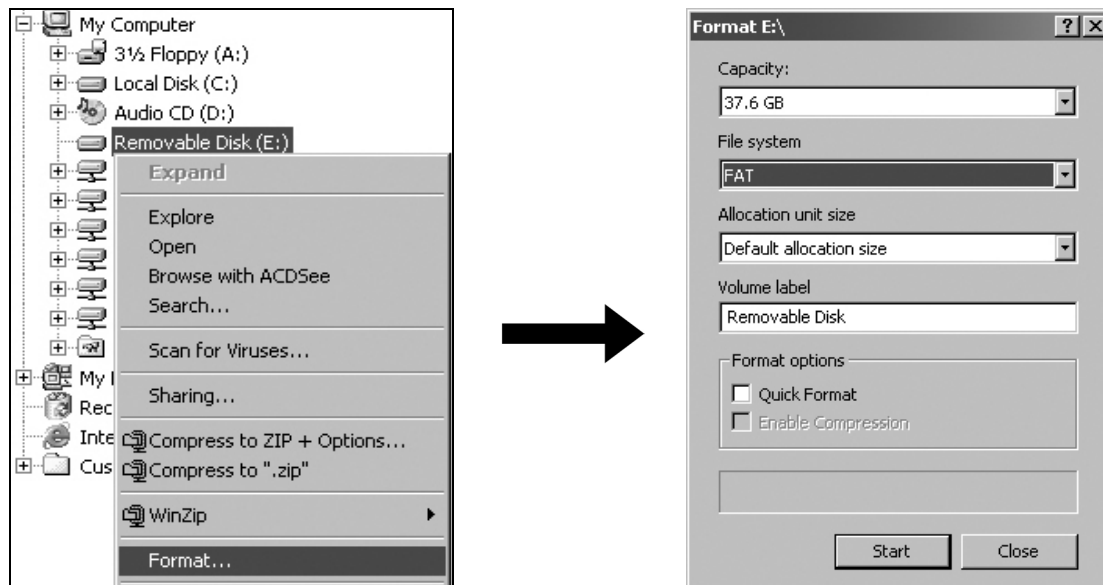
UPGRADING FIRMWARE

Upgrading your MP121 player with the latest firmware ensures optimal playback performance. Go to the Oregon Scientific website (www.oregonscientific.com) to download the latest MP121 firmware update (.zip file).

FORMATTING YOUR PLAYER

All stored information will be lost and your settings will return to default values.

1. In Windows Explorer, select the drive letter of your player assigned by the computer, then right-click your mouse button and select **Format**.
2. If there is an option to select **File system**, select **FAT** then click **Start** to begin formatting.



COPYRIGHT

The transfer of memory containing data or MP3 files protected under copyright laws are only permissible within the restrictions imposed.

SAFETY AND CARE

GENERAL

- Clean unit with a damp cloth and mild detergent.
- Do not subject unit to extreme force, shock, fluctuations in humidity, or immerse in liquid. This can cause electrical shock and damage the unit.
- Do not scratch the LCD display.
- Do not tamper with internal components or make changes or modifications to this product. Unauthorized changes may void your right to use the product and invalidate the warranty.
- Keep unit away from strong magnetic fields, which may erase or damage the player's memory.
- Keep unit away from excessive dust / sand, moisture, rain, direct sunlight or heat.
- Keep unit in a dry, well-ventilated place to prevent it from molding.
- Never use headphones while driving, cycling, or operating motorized vehicles.
- Listening to music at high volume for long periods of time may damage your hearing. Keep volume at a moderate level.
- Do not set headphone / earphone volume to high while using unit at pedestrian crossings or walking.

WATER

- After each use, briefly rinse off entire unit with fresh, clean water. Shake out any water blocking earphone's earbud opening.
- Never immerse unit in water if the bottom protective screw casing is removed. This can cause electrical shock and damage the unit.
- Never use electric dryer to dry the earphones or unit.
- Do not use unit while skin-, scuba- or springboard diving.
- Do not try and force water into audio tubing of the earphone headset.
- Do not use unit below 1 meter and for more than 30 minutes at a time.

TROUBLESHOOTING

HARDWARE

Music keeps skipping.

Music file may be corrupt or of an unsupported format. Delete and transfer the file from your computer to player again, making sure file is supported MP3 (MPEG-1, Audio Layer 3), WMA or WAV format.

Player will not start or shuts off soon after it starts.

Rechargeable battery may have run out of power. If battery level indicator shows low battery, recharge as soon possible.

Buttons do not work.

Button-hold feature may be on. See section on "BUTTON HOLD".

Player is not functioning normally.

Player may need to be reset or battery may be low on power. You may also format the player from your computer and upgrade the firmware. See section on "UPGRADING FIRMWARE".

Flash memory appears to be corrupted.

Upgrade to the latest firmware to optimise the player's performance. See section on "UPGRADING FIRMWARE".

No sound is coming out of the headphones.

Check to make sure they are plugged in correctly and volume is turned up.

Your computer does not locate your player.

Check to make sure the USB cable is connected properly. If you are using Win98SE, make sure the driver software installed. If you are using Win2000, make sure you have installed the Service Pack version 3.0 or above. Go to Microsoft's website to download the latest Windows update.

Cannot store any more files on the player.

Memory may be full. Delete files to make some room.

SOFTWARE

MP121 software does not automatically begin when CD is inserted.

You may need to start the installation process manually.

1. Double click the **My Computer** icon on the Windows desktop.
2. Double click the drive that contains the CD-ROM.
3. Follow the onscreen instructions to complete the installation process.

CAUTION

In case of electrostatic discharge, the product may not function properly and will require a manual reset. After resetting the unit, data stored will remain intact.

SPECIFICATIONS

TYPE	DESCRIPTION
Immersion resistance:	IPX7 / JIS7 standard
Shock resistance:	ISO 1413 standard

Built-in flash memory:	512 MB or 1 GB (refer to indication on the packing)
Dimensions:	69 (H) x 52.5 (W) x 21 (T) mm (2.7 x 2.1 x 0.83 in)
Weight:	69g (with battery)
LCD dimension:	VA: 25 (W) x 20 (H) mm Full dot matrix: 122 x 96 dots
Backlight:	3-color backlight (orange, blue, purple)
FM radio frequency:	87.5 ~ 108 MHz
Radio preset channels:	30
Volume level:	0-30
Battery:	Built-in rechargeable battery
Battery life*:	Approx. 10 hours continuous playback (at room temperature, default volume)
MP3 to PC connection:	USB 1.1 or USB 2.0 (Hi-Speed)
Supported playback formats:	MP3 (up to 320 kbps), variable bit rate WMA, WMA DRM (up to 192 kbps)
Player firmware:	Upgradeable via www.oregonscientific.com

*Data is measured with included battery. Various factors can affect battery life, such as temperature, battery type or battery capacity.

NOTE Design and specifications are subject to change without notice.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our customer care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website. However if you're in the U.S. and would like to contact the Oregon Scientific customer care department directly, please visit: www2.oregonscientific.com/service/support OR call 1-800-853-8883. For international enquiries, please visit www2.oregonscientific.com/about/international/default.asp.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Ave., Tualatin, Oregon 97062 USA
Telephone No.: 1-800-853-8883
Fax No.: 1-503-684-3332

declare that the product

Product No.: MP121
Product Name: Waterproof Music Player with FM radio and Pedometer
Manufacturer: IDT Technology Limited
Address: Block C, 9/F, Kaiser Estate,
Phase 1, 41 Man Yue St.,
Hung Hom, Kowloon,
Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

EC-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Waterproof Music Player with FM radio and Pedometer model MP121 is in compliance with EMC directive 89/336/CE and LVD directive 73/23/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

